

PATENT APPLICATION  
Attorney Docket No. 4591-283

COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled SEMICONDUCTOR DEVICES AND METHODS OF FABRICATING THE SAME, the specification of which:

<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	is attached hereto. was filed on _____ as Application No. _____ and was amended on _____ (if applicable) with amendments through _____ (if applicable).
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I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, Sec. 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Sec. 119 (a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

2001-80481  
(Number)

Republic of Korea  
(Country)

18 December 2001  
(Day/Month/Year Filed)

Claiming  
Priority?

☒ ☐  
Yes No

I hereby claim the benefit under Title 35, United States Code, Sec. 119(e) of any United States provisional application listed below:

Provisional Application No.

Filing Date

I hereby claim the benefit under Title 35, United States Code, Sec. 120 or §365(c) of any PCT international application designating the United States of America listed below and,

insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Sec. 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Sec. 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application No.)

(Filing Date)

(Status) (patented, pending, abandoned)

I hereby appoint the following attorneys to prosecute the application, to file a corresponding international application, to prosecute and transact all business in the Patent and Trademark Office connected therewith:



20575

PATENT TRADEMARK OFFICE

<u>Attorney Name</u>	<u>Registration No.</u>
Jerome S. Marger	26,480
Alexander C. Johnson, Jr.	29,396
Alan T. McCollom	28,881
James G. Stewart	32,496
Stephen S. Ford	35,139
Julie L. Reed	35,349
Walter D. Fields	37,130
Scott A. Schaffer	38,610
Joseph S. Makuch	39,286
James E. Harris	40,013
Kevin S. Ross	42,116
Graciela G. Cowger	42,444
Ariel Rogson	43,054
Craig R. Rogers	43,888
Hillary Brooks	45,815
Clifford D. Weston	48,307

Direct all telephone calls to Alan T. McCollom at (503) 222-3613 and send all correspondence to:

MARGER JOHNSON & McCOLLOM, P.C.  
1030 S.W. Morrison Street  
Portland, Oregon 97205

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so

made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

---

Full name of sole or first inventor: Sun-Ha HWANG

Inventor's signature: Sum-Ha HWANG

2002-10-18

(Date)

Residence: Kyunggi-do, Republic of Korea

Citizenship: Republic of Korea

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Full name of second joint inventor: Young-Ok KIM

Inventor's signature: Young-Ok Kim

2002.10.18

(Date)

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Citizenship: Republic of Korea

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Full name of third joint inventor: Cha-Dong YEO

Inventor's signature: Cha-Dong YEO

2002.10.18

(Date)

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Kyunggi-do, Republic of Korea

UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

MARCH 13, 2003

PTAS  
MARGER JOHNSON & MCCOLLOM, P.C.  
ALAN T. MCCOLLOM  
1030 S.W. MORRISON ST.  
PORTLAND, OR 97205

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov



\*102280950A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/06/2002

REEL/FRAME: 013474/0932  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
HWANG, SUN-HA

DOC DATE: 10/18/2002

ASSIGNOR:  
KIM, YOUNG-OK

DOC DATE: 10/18/2002

ASSIGNOR:  
YEO, CHA-DONG

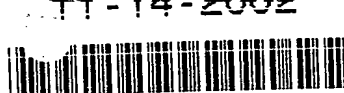
DOC DATE: 10/18/2002

ASSIGNEE:  
SAMSUNG ELECTRONICS CO., LTD.  
SAN 16, BANWOI, RI, TAEAN-EUB,  
HWASUNG-CITY  
GYEONGGI-DO, REPUBLIC OF KOREA

SERIAL NUMBER: 10289721  
PATENT NUMBER:

FILING DATE: 11/06/2002  
ISSUE DATE:

MARCUS KIRK, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



IN TH

102280950

ADEMARK OFFICE

BOX PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, D.C. 20231

1036 U.S. PTO  
10/289721  
11/06/02

Please record the attached original document or copy thereof and return the recorded instrument to the undersigned.

1. Name of party(ies) conveying an interest: Sun-Ha HWANG, Young-Ok KIM and Cha-Dong YEO
2. Name and address of party(ies) receiving an interest: Samsung Electronics Co., Ltd.  
San 16, Banwoi, ri, Taean-eub, Hwasung-city  
Gyeonggi-do KOREA

3. Description of the interest conveyed:

☒ Assignment ☐ Change of Name ☐ Security Agreement ☐ Merger

Date of execution of attached document: October 18, 2002

4. Application number(s) or patent number(s). Additional sheet attached? Yes \_\_\_ No \_\_\_

If this document is being filed together with a new application, the execution date of the application is: November 6, 2002

A. Patent Application No.

B. Patent No.

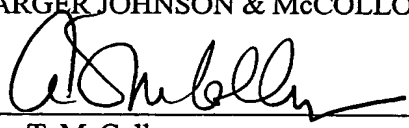
5. Name and address of party to whom correspondence concerning document should be mailed:

MARGER JOHNSON & McCOLLOM, P.C.  
1030 S.W. Morrison Street  
Portland, Oregon 97205  
Telephone: (503) 222-3613

6. Number of applications and patents involved: 1
7. PTO Form 2038 authorizing credit card payment (\$40) is enclosed.
8. Any deficiency or overpayment should be charged or credited to deposit account number 13-1703.
9. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Dated: November 6, 2002

Respectfully submitted,  
MARGER JOHNSON & McCOLLOM, P.C.

  
Alan T. McCollom  
Reg. No. 28,881

12/2002 EHAILE1 00000040 10289721

FC:8021

40.00 DP

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Total number of pages comprising  
cover sheet and attached assignment: 3

**ASSIGNMENT**

U.S.A. Patent Application  
Sole or Joint  
For Inventions Made Outside U.S.A.  
Executed With Application

In consideration of the sum of Ten Dollars (10.00) and other good and valuable considerations paid to each of the undersigned, to wit:

- (1) **Sun-Ha HWANG**
- (2) **Young-Ok KIM**
- (3) **Cha-Dong YEO**

☐ X if continued on separate page

the receipt and sufficiency of which are hereby acknowledged by the undersigned who hereby sell(s), assign(s) and transfer(s) unto:

**SAMSUNG ELECTRONICS CO., LTD.**  
**SAN 16, BANWOI-RI, TAEAN-EUB**  
**HWASUNG-CITY, KYUNGKI-DO**  
**REPUBLIC OF KOREA**

(hereinafter designated "ASSIGNEE") the entire right, title and interest in and to the invention as defined in 35 USC §100, for the United States of America, the invention entitled:

**SEMICONDUCTOR DEVICES AND METHODS OF FABRICATING THE SAME**

for which an application for Letters Patent of the United States of America has been executed even date herewith by the undersigned, and in and to any and all divisionals, continuations, substitutes, and reissues thereof; and all resulting patents and the undersigned hereby authorizes and requests the United States Assistant Commissioner of Patents to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

And the undersigned hereby agrees to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

Please sign  
concurrently  
with Oath or Declaration  
and Power of Attorney

SIGNED ON THE DATES INDICATED BESIDE OUR SIGNATURES:

<u>INVENTOR(S)</u>	<u>DATE SIGNED</u>	<u>WITNESSED</u>
(1) <u>Sun-Ha HWANG</u> Sun-Ha HWANG	<u>2002.10.18</u>	_____
(2) <u>Young-Ok Kim</u> Young-Ok KIM	<u>2002.10.18</u>	_____
(3) <u>Cha-Dong Yeo</u> Cha-Dong YEO	<u>2002.10.18</u>	_____

PLEASE RETURN RECORDED ASSIGNMENT TO:

Alan T. McCollom  
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